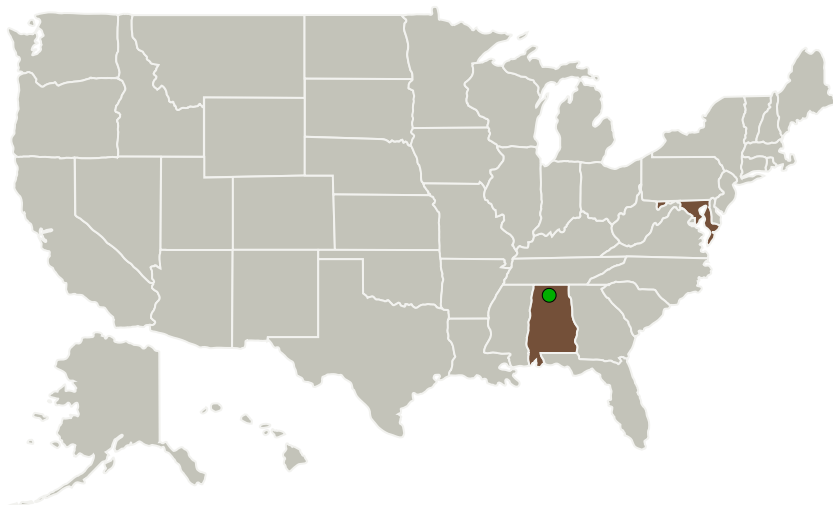


## Project Introduction

Global Science & Technology, Inc. (GST) proposes to investigate information processing and delivery technologies to provide near-real-time Web-based access to satellite data from the National Polar-Orbiting Environmental Satellite System (NPOESS) Preparatory Project (NPP). We will investigate computing hardware and software requirements for serving data products acquired through NPP Direct Broadcast to modelers, forecasters, and decision-makers, via industry-standard Web services, within minutes of sensor acquisition. This effort will fill in a notable gap in the transition between current observational systems and the future NPOESS (National Polar-Orbiting Environmental Satellite System).

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
Global Science & Technology, Inc.	Lead Organization	Industry Minority-Owned Business, Small Disadvantaged Business (SDB)	Greenbelt, Maryland
● Marshall Space Flight Center(MSFC)	Supporting Organization	NASA Center	Huntsville, Alabama



Systems and Services for Real-Time Web Access to NPP Data, Phase I

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## Primary U.S. Work Locations

Alabama

Maryland

## Project Transitions



**January 2010:** Project Start



**July 2010:** Closed out

### Closeout Documentation:

- Final Summary Chart(<https://techport.nasa.gov/file/137346>)

## Organizational Responsibility

### Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

### Lead Organization:

Global Science & Technology, Inc.

### Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

## Project Management

### Program Director:

Jason L Kessler

### Program Manager:

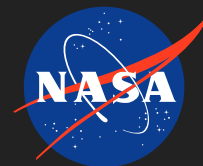
Carlos Torrez

### Principal Investigator:

Jack A Kelly

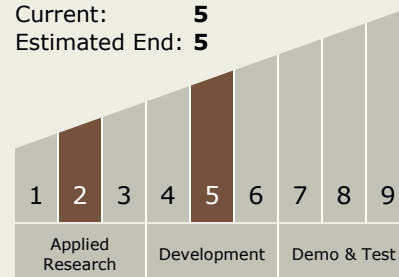
### Co-Investigator:

Jack Kelly



## Technology Maturity (TRL)

Start: 2  
Current: 5  
Estimated End: 5



## Technology Areas

### Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  - └ TX11.4 Information Processing
    - └ TX11.4.2 Intelligent Data Understanding

## Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System